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<110> Inouye, Roger T.
Torres-Viera, Carlos
Moellering, Robert
Gold, Howard
Eliopoulos, George M.

<120> METHODS AND COMPOSITIONS FOR RESTORING ANTIBIOTIC SUSCEPTIBILITY
IN GLYCOPEPTIDE-RESISTANT ENTEROCOCCUS

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<400> 18

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ggc当地 tactctacta tctgtcaaaa aataaggggac aagcacacct atccgattat catgctgacc	240
gggaaagata cagaggtaga taaaattaca gggtaacaa tc当地 ggc当地 ggta	300
acgaagccct ttc当地 cccact ggagttatt gctc当地 ggtta aggccc当地 agt gccc当地 gatac	360
aaaaaaattca gtggagtaaa ggagcagaac gaaaatgtta tc当地 tccactc cggc当地 ttgtc	420
attaatgtta acacccatga gtgttattcg aacgagaagc agttatccct tactccc当地 acc	480
gagtttcaa tactgc当地 at cctctgtgaa aacaaggggaa atgtggtag ctccgagctg	540
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cataatccggc atttgc当地 ga aaaaatgaac gacaccattt gataatccgaa atatataaaa	660
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<210> 19

<211> 1155

<212> DNA

<213> Enterococcus faecium

<400> 19

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<210> 20

<211> 969

<212> DNA

<213> Enterococcus faecium

<400> 20

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aacgccaat cc当地 gc当地 cttt caatcgatgt atc当地 gtgg gacataaaatc agagatttcc	180
gc当地 ct当地 tattt tc当地 tt当地 tc当地 gcttcc当地 gatggaaat atatttctac cc当地 agcatc	240
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cgctactc当地 cggatagcgt tgccgattat actatcgatgc taatttctat gglocaltacgc	360

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<210> 21
 <211> 1032
 <212> DNA
 <213> Enterococcus faecium

<400> 21

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aaaaagaacc	atgaatatga	aatcaaccat	gttgatgtag	cattttcagc	tttgcattggc	300
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<210> 22
 <211> 609
 <212> DNA
 <213> Enterococcus faecium

<400> 22

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cgaactgaga	tgatttcaaa	aggatacgt	gcttcaaaat	caagccatag	ccgcggcagt	360
gccattgatc	ttacgcttta	tcgatttagac	acgggtgagc	ttgtaccaat	ggggagccga	420
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caaaatcgca	gacgtttgcg	ctccatcatg	gaaaacagtg	ggtttgaagc	atatacgctc	540
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<210> 23
 <211> 912
 <212> DNA
 <213> Enterococcus faecium

<400> 23

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aaagaacatt	tagaaaatag	tgggacttct	gaaaatacc	aagagaaaac	aattacagaa	180
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aatgatgctg	taaagggtgg	cgttagtcat	tttatttta	atagtggcta	tcgagacttt	420
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ggtttaccac	atagtgcgt	tatgaaagaa	aagaatttcg	ttctcgagga	atatatggat	720
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tattatcctg	ttactaaaaa	taccaccatt	catgtgccga	ctaatttcg	ttatgagata	840
tcaggaaaca	atatacgg	tgttaattgtg	acagtgttcc	ccggatcaac	acatactaat	900
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<210> 24

<211> 486

<212> DNA

<213> Enterococcus faecium

<400> 24

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aacttgactc	catttactgc	tactggaaat	ttcagagaga	tgatagataa	tgttataatc	180
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<210> 25

<211> 19

<212> DNA

<213> Enterococcus faecium

<400> 25

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<210> 26

<211> 663

<212> DNA

<213> Enterococcus faecium

<400> 26

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ctgggtcaga acaaaggcag aacctaacc catgaaatca ttttgcctcg catatggga	540
tatgactttg acggtgatgg cagcacagtc cacactata tcaaaaatct gccccgcaag	600
ctgcccggaaa atatcatcaa aaccatccgc ggttaggat accgattgga ggaatcatta	660
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<210> 27

<211> 1344

<212> DNA

<213> Enterococcus faecium

<400> 27

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cacattgatg atactgcact ttcaaagctg ttcatccat tctatcgcat tgatcaggcg	1200
cgaaggcagaa aaagtggcg aagcggtttg gggcttgcctc tcgtacaaaa aacgctggat	1260
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<210> 28

<211> 807

<212> DNA

<213> Enterococcus faecium

<400> 28

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aaagaacagg	gagatgaaca	ggaatggagc	ctgattttag	tgaacaggca	gaaccccatc	300
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<210> 29
 <211> 972
 <212> DNA
 <213> Enterococcus faecium

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 <211> 1029
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<210> 31
 <211> 609
 <212> DNA
 <213> Enterococcus faecium

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<210> 32
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 <212> DNA
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accttaaacg	gccttattgtat	aaaaccgggg	gaaacctttt	ctttctggcg	gctggtacgc	300
catgcggaca	aagatacccc	ctataaagac	ggccttacgg	tggccaatgg	taagctcacc	360
accatgtcg	gcggcggtat	gtgccagatg	agcaatttac	tatTTTgggt	gttcctgcatt	420
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agtgcgaga	tcaaagggt	ggatgcaacc	atctcagagg	gctggattga	tttaaaagtg	540
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ggtcaggtgt	tcgcccacaa	acagcctcaa	gcattataca	aaattgcaaa	cggcagtatt	660
cagtatgtcc	gtgaaagtgg	cgggatttat	gaatatgcca	aggttgaacg	gatgcaagtt	720
gccttaggtt	ccggggaaat	aatagattgc	aagctgcttt	atacaaacaa	atgcaaaatc	780
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<210> 33
 <211> 1053
 <212> DNA
 <213> Enterococcus casseliflavus

<400> 33

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840
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960
1020
1053

<210> 34

<211> 699

<212> DNA

<213> Enterococcus faecium

<400> 34

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tgtattgaat ccgtgaaact ggatttagcc atattggata tcattgttcc ggtatgttagac 180
gggtttcaga tctgccagaa aatccggaa aagtttact tccctgttat catgctgaca 240
gcaaaaagtgg aggacgggaa taaaatcatg ggactgtccg tggcgatga ttatattaca 300
aagccgttta acccgctgga agtggttgcg agagtaaagg cgcagctgcg gcagttacatg 360
cggtacaagc agccccagctt aaagcaggag gctgaatgca cagaatacga tatcagaggg 420
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ccaacggagt ttgcattct ttggtatctg tgcgagcgtc agggtaacggt tgttctacg 540
gaggaattat ttgaggcagt atgggtgaa cggtttttt acagcaataa tactgtatg 600
gcgcataatcg ggcggctccg ggagaaaaatg aaggaaccgt caagaaatcc gaaatttata 660
aaaactgtgt ggggagtggg atataccatt gaaaaatag 699

<210> 35

<211> 1146

<212> DNA

<213> Enterococcus faecium

<400> 35

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tttatacttaa aagataattt tgcaaatgtc gtggtagcca ttttagacag ctatcttat	180
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cttttcctga tagcggttat gggcggttt tttatgatct tccgcccgtta tctggacagt	300
atttcaaaat atttaagga gatcaaccgg gggatcgata ctttggtgaa tgaggatgcc	360
aacgatattg ggctgcctcc ggagttggct tcgaccgaaa gaaaaatcaa ttccatacgg	420
cataccctqa cqaaaacqgaa aacggacqct qagcttgcag agcaaaggaa aaacgatctt	480

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aatcttcaa	acatcacgct	tgtgtacagc	aaaatcaatc	tgacgatgat	gctggAACAG	720
ctggggtatg	agtttaagcc	gatgctggcc	ggggAAAATC	tgaaatgtga	atttgatgtt	780
cagccagaca	tgatgctgtc	ctgcgtatgc	aacaagctgc	agcgggtctt	cgataatgtg	840
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tcgtaa						1146

<210> 36
 <211> 1071
 <212> DNA
 <213> Enterococcus faecium

<400> 36

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gtaatctttg	gagttgtca	tttttaggg	gagagtaaag	atccccgcct	tttatccaaa	180
aaaaacacaa	aaacagacaa	gaactattcg	tggcttaccg	acgatcagaa	tgaggcagta	240
ccctcagttc	cagagccagc	catatccgac	caggctaa	aaatttcggt	aaatatcaca	300
gcggcaaacg	ccattgtat	gaataaagac	acaaatgagg	tattgtacca	gaaaaaaaaagc	360
acagccaaaa	ttgcgccggc	cagcactgct	aagatgatta	tggctttgac	agcacttgac	420
tattgttccc	cgaggatga	aatgaaagta	ggtgcggaga	ttggaatgat	tcaaagcgat	480
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attgcaggtt	ataacagcct	gaccagttag	caagcgattg	aagtattcat	ggataaggta	660
aataaaaaag	ccgtggccct	tggcgcacaa	aactcgaaat	ttgtagctcc	ggatggat	720
gatgccgaag	ggcagtatac	tacagctt	gaccctgcta	tcattgcaaa	agcatgtttg	780
gacaatccta	tcatttcgga	gattgttagcg	agttattcat	cctatgaaaa	atggtaaac	840
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cgtccggagg	ttatcggtt	gaaaacagga	accagcagtc	ttggcggcgc	atgtattgtt	960
tctgcagcgg	tgatggacgg	agaaacctat	atctgtgt	ttatgggttc	tacaaaggaa	1020
agcaggtttc	aggacagcgt	tgatattta	gataaaatca	aagcccagta	a	1071

<210> 37
 <211> 969
 <212> DNA
 <213> Enterococcus faecium

<400> 37

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agcaatgctg	gattagctaa	tggatgcgg	tgtgtaa	taagccataa	agcggagcta	180
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gtagaataact	cggccggaaag	tgtggccat	tataccgtca	tgctgatgct	tatgctgatg	360
cgtggcacaa	agtgcattct	gcgtgaaaacc	cagaggcaga	attattgcct	aatgacactg	420
cgcggaaaag	aactgcggga	tatgaccgtg	ggtgttttag	gaactggcgc	aatcggacag	480
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atgaaggaag aggcgccttct gatcaataca	gggcggggcg	cttagtggataccgcagca	720
ttggtagaaag cattaaaagg acagaaaatc	ggcggcgccc	tggatgtttt ggaaggcgaa	780
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<210> 38
<211> 1032
<212> DNA
<213> Enterococcus faecium

<400> 38			
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ataaaatctg cgatggagat	tgccgcaa	atagatacaa aaaaatatca	120
attggaatca caaaatccgg	cgtttggaaa	atgtgtgaaa aaccttgttt	180
caatatgcgg	gggatccgg	ggagtggaa	240
caaaaagaca aagggtatga	aatccagcct	gtggatgtgg	300
aagtttgggg	aggatggctc	tgccat	360
ggatgcata ttcaaagctc	cgtgatctgc	atggataagg	420
aaaaatgcgg	gtatcactgt	cgcttgat	480
acggaggatt tcgtatatcc	cgttttgt	aggaggggaa	540
gtaaacaagg tatgcaaggc	agaagaactg	tcgaagaagc	600
gacagcaaga ttttattgt	agaggccgtt	cgccatactg	660
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ccagccgcct taccggatga	ggtaagagaa	catccgagtt	840
cggatactt gctgcagagg	attggccgc	aaacggcaat	900
attgtgttca atgaagtgaa	taccatgcc	gaagattac	960
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cttaggaggt aa			1032

<210> 39
<211> 609
<212> DNA
<213> Enterococcus faecium

<400> 39			
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ggatatgggt tgc	ggacggctat	180	
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